

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 2      | ("6732575" "6536291").pn.  | USPAT   | OR               | OFF     | 2006/03/06 08:12 |
| L2    | 0      | ((apparatus device appliance instrument) with (measure measuring measurement) with (variable parameter value) with (process near3 flow) with flowing with (within inside interior) with (pipe conduit)) and ((strain near3 sensor) with (attached affixed adhered placed) with (exterior outer outside) with surface with (pipe conduit) with (different spaced separate) with axial with (location site placement) with (strain near3 (signal information data)) with indicat\$3 ((pressure near3 disturbance) turbulence turbulocity) with (within inside interior) with (pipe conduit)) and ((strain near3 sensor) with (piezoelectric near3 (film laminate)) with ((pair dual two) near3 conductor) with (opposing opposite) with surface) and ((signal near3 processor) with (strain near3 signal) with (signal data information) with indicat\$3 with (parameter value variable) with (process near3 flow) (inside interior within) with (conduit pipe)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2006/03/06 12:32 |
| L3    | 15     | ((apparatus device appliance instrument) with (measure measuring measurement) with (variable parameter value) with (process near3 flow) with flowing with (within inside interior) with (pipe conduit))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2006/03/06 08:29 |
| L4    | 1865   | ((strain near3 sensor) with (attached affixed adhered placed) with (exterior outer outside) with surface with (pipe conduit) with (different spaced separate) with axial with (location site placement) with (strain near3 (signal information data)) with indicat\$3 ((pressure near3 disturbance) turbulence turbulocity) with (within inside interior) with (pipe conduit))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2006/03/06 08:29 |
| L6    | 478255 | ((signal near3 processor) with (strain near3 signal) with (signal data information) with indicat\$3 with (parameter value variable) with (process near3 flow) (inside interior within) with (conduit pipe))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2006/03/06 08:30 |
| L8    | 26     | ((strain near3 sensor) with (piezoelectric near3 (film laminate)))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB | OR               | ON      | 2006/03/06 08:36 |

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|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| L9  | 1683   | (((pair dual two) near3 conductor) with<br>(opposing opposite) with surface)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:31 |
| L11 | 13     | l3 and l4 and l6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:32 |
| L12 | 2      | l11 and l9  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:33 |
| L13 | 185877 | process near3 flow  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:36 |
| L14 | 505    | l13 and (strain near3 sensor)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:37 |
| L15 | 154    | l14 and (signal near3 processor)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:38 |
| L16 | 18     | l15 and (piezoelectric near3 (film laminate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 08:55 |
| L17 | 1      | ("6536291" "6732575" "20040069069").<br>pn. and (piezoelectric near3 (film laminate))<br>and (strain near3 (sensor detector<br>transducer)) | US-PGPUB;<br>USPAT   | OR | ON | 2006/03/06 08:58 |

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|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| L42 | 1   | ("20040069069").pn. and (process near3 flow) and ((strain near3 (sensor detector transducer))) and ((different spaced separate) with (site location placement)) and ((piezoelectric near3 (film laminate)) same ((pair two dual plural many several numerous multiple) with (conductor lead wire filament))) and (((single near3 phase) (multi\$1phase) (poly\$1phase)) near3 (fluid liquid mixture)) and ((polyvinylchlorine near3 fluoride) pdvf (polymer near3 film) (flexible near3 pzt)) and (silver near3 ink) and (acoustic\$2 near4 pressure) and (strain near3 (sensor detector transducer)) and (axial near4 (site location placement)) and (thick\$4 with (um mm inch)) and (acoustic near3 (pressure noise)))  | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/06 12:14 |
| L43 | 1   | ("20040069069").pn. and (process near3 flow) and ((strain near3 (sensor detector transducer))) and ((different spaced separate) with (site location placement)) and ((piezoelectric near3 (film laminate)) same ((pair two dual plural many several numerous multiple) with (conductor lead wire filament))) and (((single near3 phase) (multi\$1phase) (poly\$1phase)) near3 (fluid liquid mixture)) and ((polyvinylchlorine near3 fluoride) pdvf (polymer near3 film) (flexible near3 pzt)) and (silver near3 ink) and (acoustic\$2 near4 pressure) and (strain near3 (sensor detector transducer)) and (axial near4 (site location placement)) and (thick\$4 with (um mm inch)) and (acoustic near3 (pressure noise))) and (strain with pressure with sensor) | US-PGPUB;<br>USPAT   | OR | ON  | 2006/03/06 12:38 |
| L44 | 523 | 702/45.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2006/03/06 12:33 |
| L45 | 211 | 702/47.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2006/03/06 12:33 |
| L46 | 63  | 702/48.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                       | OR | OFF | 2006/03/06 12:33 |
| L47 | 93  | cidra.as.  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/03/06 12:33 |
| L48 | 1   | fernald-mark.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |

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|-----|-------|-------------------|--|----|-----|------------------|
| L49 | 1     | fernald-m.in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |
| L50 | 388   | fernald.in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |
| L51 | 92    | davis-michael.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |
| L52 | 155   | davis-m.in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |
| L53 | 42455 | davis.in.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |
| L54 | 3     | kersey-alan.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:35 |
| L55 | 4     | kersey-a.in.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |
| L56 | 521   | kersey.in.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |
| L57 | 1     | loose-douglas.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |

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|     |       |                    |  |    |     |                  |
|-----|-------|--------------------|--|----|-----|------------------|
| L58 | 1     | loose-d.in.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |
| L59 | 632   | loose.in.          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |
| L60 | 1     | bailey-timothy.in. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |
| L61 | 34    | bailey-t.in.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:36 |
| L62 | 12762 | bailey.in.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:37 |
| L63 | 8111  | g01f001/00.ipc.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:38 |
| L64 | 905   | g01f007/00.ipc.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:38 |
| L65 | 72504 | g06f019/00.ipc.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | OFF | 2006/03/06 12:38 |

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|     |   |   |  |    |    |                  |
|-----|---|---|--|----|----|------------------|
| L66 | 0 | (l44 l45 l46 l47 l63 l64 l65) and (process near3 flow) and ((strain near3 (sensor detector transducer))) and ((different spaced separate) with (site location placement)) and ((piezoelectric near3 (film laminate)) same ((pair two dual plural many several numerous multiple) with (conductor lead wire filament))) and (((single near3 phase) (multi\$1phase) (poly\$1phase)) near3 (fluid liquid mixture)) and ((polyvinylchlorine near3 fluoride) pdvf (polymer near3 film) (flexible near3 pzt)) and (silver near3 ink) and (acoustic\$2 near4 pressure) and (strain near3 (sensor detector transducer)) and (axial near4 (site location placement)) and (thick\$4 with (um mm inch)) and (acoustic near3 (pressure noise)) and (strain with pressure with sensor) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT<br>; IBM_TDB | OR | ON | 2006/03/06 12:39 |
|-----|---|---|--|----|----|------------------|